



# SEQUENCE LISTING

<110> Mirkov, T. Erik  
Damaj, Mona B.,  
Reddy, Avutu,  
Thomas, Terry L.,  
Rathore, Keerti S.,  
Emani, Chandrakanth,  
Kumpatla, Siva Prasad

<120> STEM-REGULATED, PLANT DEFENSE PROMOTER  
AND USES THEREOF IN TISSUE-SPECIFIC EXPRESSION IN MONOCOTS

<130> 017575.0774

<140> 10/751,612

<141> 2004-01-05

<150> 60/437,890

<151> 2003-01-03

<160> 1

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 3016

<212> DNA

<213> Sugarcane

<220>

<221> promoter

<222> (1)...(3012)

<223> o-methyltransferase promoter

<221> CAAT\_signal

<222> (2661)...(2664)

<221> TATA\_signal

<222> (2849)...(2855)

<400> 1

tctagagcat	aggcattgta	aaagcgggat	gcctcttctt	cagtgcagaa	tttcatacca	60
accttaggta	tcctgtcttc	catagaat	ttctacctgag	taggttcggt	ctgggttgat	120
ttgtagcggg	tttcatgcaa	aataagttag	aaatcgtgca	aacttgcaat	ggagggttaa	180
tttgaaatat	atttgcata	acaaaacaaa	tatagattat	gaatggtaat	ccaatatgac	240
ttgcattttc	taactctatt	gctactgtgc	cagatgaaga	atgttgatct	ggagaagttt	300
tgtgagaatg	tgacaacaac	gggaggtcat	atcaagattc	tgggtacccg	cggagaatcg	360
gcctccatgt	agttagcctc	gtcaggcatg	gggggaattg	gctgagatgc	ccccatgtag	420
tcgtcaggca	tggagagtac	tggctgagat	gccattgttg	tgtagatcga	gagaaacgag	480
aagaatgcta	gtctaataat	acccttccgt	atgctaacca	actattataa	ttggcaccat	540
ttttcacatg	ctagcgcctt	ttgcctgctt	tatttaattc	aattgggtcc	gataagcatg	600
tgaacgtggg	agacgggttc	gtcggacggc	tccgttttct	tgtagcgtac	ggcgtggacg	660
gagaaaagg	gagggcctat	ctctaaagg	gaacgaatgg	atggtggaca	cgtgtgggga	720
gacaccgaag	ggacatgccg	aggaggcaca	caagcttcag	caggcgtctc	cagactctca	780
gaagaagaag	aagctcacgg	cacggttgcg	gctggttctt	gctgtcgctg	tctcgtgggtg	840
cacgtttctg	tgatcacgct	gaaatcgacc	ggccggcgga	ccaacaggag	gtcagctcgg	900
ccactccgtc	tccgagcgca	tgagtgcacc	gttcgtccgc	ggttcctttt	ctcgtgggtgc	960
cgtgcacgcc	tctgcgttca	ccggcaccc	gaaaccaatc	agaacgttcc	ctttacaggg	1020

gaaagggaca	agtctgataa	cctctctgtt	tccatcgctc	tctaaccgcg	aagagcggac	1080
gcacaagact	tagagtctat	ttgttcgaaa	ttttttactc	tcacaaaagc	tagcttttat	1140
agacgggcat	aaaagctatc	atgtcgaccg	gcacgtttaa	tatttaactt	ataccatatg	1200
aatatcatgt	cgaactatga	ggatgatact	tttctgaacg	tgattgcgtg	agttattaaa	1260
ttgtactttt	agttgtttga	gcatgaaggt	ctgaactatg	aatttatgat	gtattgtggc	1320
ttgtgagcta	ctccgctcta	catttagttg	gtatcataaa	tattattata	ttatcatata	1380
aatttgatca	acttgagatg	ctttgactct	tcaagattct	tggaatgact	tatcatttgg	1440
ggtagggagt	aggtttctaa	ggccagtctc	agtgggggtt	catcagagtt	tcatggacat	1500
taaataagct	gatgtgacac	cgtattgatg	aagagagaga	tgataagagt	ttcatgcgag	1560
tagagagagt	ttcatgggga	tgaaactcct	cttcactggt	tccaaaatat	agatgcattg	1620
gtaagagggc	ctgaaatct	ctagtgacac	tgacctaaaga	tgagattgac	tctagcacta	1680
tgtttcaaaa	tctgcatgca	tgcatgcttt	gaatattgta	acctcacatt	aactccccctc	1740
acacatgcat	gcaaacgggc	ggtgcacgca	aaagaattga	gtgaagatgc	acatgaaaaa	1800
taagtaaaat	gctttggctt	catcacccgg	cttaaagtct	cgacagaaaa	acacgtcggg	1860
agtcaagggt	gtgcctaaca	aactgggggt	cacatgtaaa	acacgttcat	gccttagaaa	1920
cggcctggag	ggattagata	caacttcaat	tatatcttag	ggccccctcca	atattgtcag	1980
ctctaaacta	gttttatgtg	tcacggtgga	ggagagggag	gctaaaaata	taatcttgag	2040
ctaacgtgaa	gagaagagct	atTTTTTTTT	gctccccaat	acatgataga	tacaatatga	2100
gagaaaaaat	atatgaataa	agaacacttt	acatgccagc	catacaatat	gagatttcat	2160
ctaagagcca	acacctgact	cgtactgttg	aagggtgtcct	agttggagtg	gtcgatcttt	2220
tagttgttag	tagtgtaaga	cctagtttag	tgctcttttc	ttgtctaggt	ttatgttgtg	2280
ttttggctgc	caagtgttga	acaactcaag	gtaagggtccc	atctaattct	aaaatgatgc	2340
caaataaaga	tagattacaa	agttaaacga	cggaaaaact	ctaaaatagg	atggaaagtt	2400
ttgtagagta	ataattggta	tgaagtggcg	aagtcgacca	caaccaaaca	taaagagtta	2460
aatgcatggg	aggctcttga	tcttgtcttg	aggtgccact	taggtccaca	aactctcaaa	2520
ttgcattttt	gacaccctaa	tgttattcaa	gtgtgccact	tagatctaca	aactctcaaa	2580
atgcatttct	gataccctag	tgttgttcaa	gtgtgtcact	taggcaagaa	aagttagata	2640
atTTTtgataa	gctatgggac	caaattaatt	tatgtatgca	tgctcgaact	agttgatgat	2700
gatggacccc	ataatagaca	ctagttcatg	ggctgggtttc	cttgtatagt	actagctagt	2760
ataacttttt	caagttgtag	ctactacttt	agcttatact	cgcataatta	caatcaaata	2820
gaattcggaa	gtactataaa	cgggagccta	taaatggaga	cgTTTTgcat	catgaggcta	2880
taacaacttg	agcaaaaaca	gaagccgtgc	gccatggcgc	tcagcaagga	gcaacacaca	2940
agcactgatc	agcaggccgt	gctggatgct	cagctccagc	tctggcacca	caccctgggc	3000
tatgtcaagt	ccatgg					3016